

CLAIMS

- 5 1. A device, comprising:
 a LED array having an anti-parallel configuration;
 an inverter operable to provide an alternating voltage at a switching
frequency; and
 an impedance circuit operable to direct a flow of an alternating
current through said LED array in response to the alternating voltage.
- 10 2. The device of claim 1, wherein said LED array includes a switch
operable to control a flow of the alternating current through said LED array.
- 15 3. The device of claim 1, wherein:
 said impedance circuit includes a first capacitor coupled in series to
said LED array; and
 said LED array includes an LED pair, a pair of LED strings or a LED
matrix.
- 20 4. The device of claim 3, wherein said impedance circuit further
includes an inductor coupled in series between said inverter and said impedance
circuit.
- 25 5. The device of claim 3, wherein said LED array further includes a
switch operable to vary or divert a flow of the alternating current through said
LED array.

6. The device of claim 3, wherein:
said impedance circuit further includes a second capacitor coupled
in series to said first capacitor; and

5 said LED array further includes a switch operable to vary or divert a
flow of the alternating current through said LED array.

7. A device, comprising:
a LED array having an anti-parallel configuration;
10 an inverter operable to provide an alternating voltage; and
an impedance circuit operable to direct a flow of an alternating
current through said LED array in response to the alternating voltage,
wherein said LED array includes a switch operable to control
a flow of the alternating current through said LED array.

15 8. A device, comprising:
a LED array having an anti-parallel configuration;
means for providing an alternating voltage; and
means for controlling a flow of an alternating current through said
20 LED array in response to the alternating voltage.

9. A method of illuminating an LED array having an anti-parallel
configuration, comprising:
operating an inverter to provide an alternating voltage; and
25 operating an impedance circuit to direct a flow of an alternating
current through the LED array in response to the alternating voltage.

10. The method of claim 9, further comprising:
operating a switch to selectively control the flow of the alternating
30 current through the one or more pairs of LEDs.